AMENDMENTS TO THE ABSTRACT:

Replace the abstract with the following, amended abstract:

A method includes connecting a mobile router (MR), also referred to herein as a gateway mobile terminal, of a mobile network (MONET) to an access point (AP) of an access network (AN) that includes an Access Router (AR); making a request to obtain a plurality of link addresses from a link address manager of the AN; allocating individual ones of the plurality of link addresses to individual ones of network nodes of the MONET; and performing a neighbor discovery procedure with the AR to send at least one neighbor advertisement to declare the allocated individual ones of the assigned plurality of link addresses. In one embodiment the request is made to obtain a set of link layer addresses (LLAs) that are allocated to individual ones of the network nodes, while in another embodiment the request is made to obtain a group identification (Group_ID) that is used to formulate a set of LLAs that are allocated to individual ones of the network nodes. The LLAs can be passed through the gateway mobile terminal to the individual network nodes, if the MONET signaling allows, or the gateway mobile terminal can map the LLAs to hardwired addresses of individual ones of the network nodes.